

20020119.qrp v02_n440.qrl.20020119

Date: Sat, 19 Jan 2002 19:03:09 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2440

QRP-L Digest 2440

Topics covered in this issue include:

- 1) [117835] CUB FOX HUNT - NUMBER 12 (FINAL LOG)
by "Brice D. Hornback" <bdh@cyberbound.net>
- 2) [117836] Altoids Tin 2?
by "K5XU, Mike Duke" <k5xu@netdoor.com>
- 3) [117837] Re: Hiding the board-makin' evidence & other associated follies
by "Brice D. Hornback" <bdh@cyberbound.net>
- 4) [117838] Re: Hiding the board-makin' evidence
by "Rex Harper" <w1rex@megalink.net>
- 5) [117839] Back From London
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 6) [117840] Oh, one other REALLY cool thing that G4WIF showed me...
by "Michael C. Boatright" <ko4wx@mindspring.com>
- 7) [117841] RE: Altoids Tin 2?
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 8) [117842] Re: computer help
by "Mike Yetsko" <myetsko@insydesw.com>
- 9) [117843] Re: Hiding the board-makin' evidence & other associated follies
by David Hinerman <wd8civ@worldnet.att.net>
- 10) [117844] Re: Altoids Tin 2?
by "Mike Malone" <mmalone@worldlogon.com>
- 11) [117845] Re: QRP in 40 Meter Novice Band
by Bruce Muscolino <w6toy@erols.com>
- 12) [117846] Lots of stuff for sale
by Caitlyn Martin <ku4qd@qsl.net>
- 13) [117847] Re: Hamsticks
by Bruce Muscolino <w6toy@erols.com>
- 14) [117848] HT-750 and TR-110 sold
by Caitlyn Martin <ku4qd@qsl.net>
- 15) [117849] Re: QRP-L digest 2438
by Mike <mmorrow@companet.net>
- 16) [117850] Re: QRP-L digest 2438
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
- 17) [117851] Re: QRP-L digest 2438 (reactance vs. resistance)
by Mike <mmorrow@companet.net>
- 18) [117852] Truffel Log - Final
by "Jay Henson" <aj4ay@worldnet.att.net>
- 19) [117853] Re: QRP-L digest 2438 (reactance vs. resistance)

- by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
- 20) [117854] Re: Limited space for mobile installation
by adamvaz@palm.net (Adam Vazquez)
- 21) [117855] QRP DXCC
by W2AGN <w2agn@pobox.com>
- 22) [117856] Re: Upconversion, Wide Roofing Filters, and Good Dynamic Range
by "James R. Duffey" <jamesd1@flash.net>
- 23) [117857] Kantronics KT-130 now spoken for
by Caitlyn Martin <ku4qd@qsl.net>
- 24) [117858] Re: Hamsticks
by Dave Fouchey <dafouchey@home.com>
- 25) [117859] Re: Hamsticks
by Bruce Muscolino <w6toy@erols.com>
- 26) [117860] MS-30 or MS-15 RIT Circuit question
by "John A. Evans - N0HJ" <jae@codenet.net>
- 27) [117861] Different colored magnet wire
by "Lee Mairs" <lmairs@cox.rr.com>
- 28) [117862] FDK Multi-11 is sold
by Caitlyn Martin <ku4qd@qsl.net>
- 29) [117863] Re: Different colored magnet wire
by "Lee Mairs" <lmairs@cox.rr.com>
- 30) [117864] Re: Different colored magnet wire
by Dave Fouchey <dafouchey@home.com>
- 31) [117865] FOX hunt #25 N0TU's raw log
by "Steve/n0tu" <n0tu@codenet.net>
- 32) [117866] Re: Different colored magnet wire
by "Leon Heller" <leon_heller@hotmail.com>
- 33) [117867] Re: Different colored magnet wire
by "John J. McDonough" <wb8rcr@arrl.net>
- 34) [117868] Re: Different colored magnet wire
by "John J. McDonough" <wb8rcr@arrl.net>
- 35) [117869] Re: QRP-L digest 2438 (reactance vs. resistance)
by Steven Weber <kd1jv@moose.ncia.net>
- 36) [117870] Re: Different colored magnet wire
by "Larry Przyborowski" <k3peg@yahoo.com>
- 37) [117871] magnet wire
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 38) [117872] County Hunters
by "w8diz" <w8diz@fpqrp.com>
- 39) [117873] RE: Upconversion, Wide Roofing Filters, and Good Dynamic Range
by Nick Kennedy <nkennedy@tcainternet.com>
- 40) [117874] PSK-31 qrp question
by Bruce Rattray <rattray@gpfn.sk.ca>
- 41) [117875] More items FS, Items sold
by Caitlyn Martin <ku4qd@qsl.net>
- 42) [117876] Battery holder hazard
by "blinn" <blinn@smgazette.com>
- 43) [117877] laughter is the best medicine

- by euramcom pages <mel@euramcom.freeserve.co.uk>
- 44) [117878] hf oscillators
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 45) [117879] RE: Upconversion, Wide Roofing Filters, and Good Dynamic Range
by "Leon Heller" <leon_heller@hotmail.com>
- 46) [117880] UPDATE: SMT practice kit
by Steven Weber <kd1jv@moose.ncia.net>
- 47) [117881] Re: Different colored magnet wire
by "Leon Heller" <leon_heller@hotmail.com>
- 48) [117882] Thanks For Help Re Yahoo QRP Groups
by SMurph555@aol.com
- 49) [117883] Something New?
by <jfox6@houston.rr.com>
- 50) [117884] Re: Upconversion, Wide Roofing Filters, and Good Dynamic Range
by "James R. Duffey" <jamesd1@flash.net>

Date: Fri, 18 Jan 2002 19:21:42 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<k5di@arrl.net>
Subject: [117835] CUB FOX HUNT - NUMBER 12 (FINAL LOG)
Message-ID: <074001c1a07f\$46bbfb60\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

CUB FOX HUNT - NUMBER 12
JANUARY 15 (16TH UTC), 2002
0200 TO 0400 UTC

0200	N3BJ	559	VA	ALAN	5W
0207	K0EVZ	559	ND	DOC	3W
0210	K4ADI	559	SC	FRANK	3W
0213	K4GT	559	GA	JIM	5W
0216	W5YR	559	TX	GEORGE	5W
0217	KV4EE	559	SC	CRAIG	5W
0220	W5USJ	529	TX	CHUCK	5W
0223	W0CH	559	MO	DAVE	5W
0225	WA9TZE	579	WI	JIM	5W
0229	W4BQP	559	NC	JIM	5W
0232	K4BYF	559	FL	JACK	5W
0236	WA8BXN	559	OH	MIKE	5W
0239	KG4LDY	559	VA	JIM	5W
0241	W0IS	559	MN	RICK	5W
0247	N1TP	559	FL	TOM	5W

0250	N9AW	559	WI	JERRY	5W
0253	K8CV	559	MI	WALT	5W
0256	N1FN	559	CO	ET	5W
0304	AA3WI	559	MD	JOHN PAUL	4W
0310	N9NE	559	WI	TODD	5W
0312	KC9LC	559	VA	RANDY	5W
0319	K5DW	559	TX	DON	5W
0321	KC1FB	559	CT	JIM	5W
0323	KD5KXF	559	TX	MIKE	5W
0327	KK5LD	559	TX	DAN	5W
0330	K5DI	559	NM	KARL	5W
0331	KB3EOF	559	MD	SANDY	5W
0333	KJ0C	559	MO	JIM	5W
0338	WB6BWZ	559	GA	MATT	5W
0344	AF4PS	559	FL	MAC	3W
0348	AC5JH	559	OK	TOM	5W
0350	KA0EC	559	MN	GENE	5W
0355	KI0II	559	CO	RON	1W
0359	N0TU	559	CO	STEVE	5W
0400	KA8MAV	FOX	IN	BRICE	3W

Date: Fri, 18 Jan 2002 18:28:59 -0600
 From: "K5XU, Mike Duke" <k5xu@netdoor.com>
 To: <qrp-l@lehigh.edu>
 Subject: [117836] Altoids Tin 2?
 Message-ID: <012801c1a080\$5e5d10a0\$09d194d0@k5xu>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Does anyone sell a board to put the tt2 into an altoids box? Would make for a more neat travel package.

I know about the Tiny Tornado, but don't think I'm really interested in the extra cost of a dc receiver.

Mike, K5XU

Date: Fri, 18 Jan 2002 19:40:09 -0500
 From: "Brice D. Hornback" <bdh@cyberbound.net>
 To: <nilsbull@juno.com>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [117837] Re: Hiding the board-makin' evidence & other associated follies
Message-ID: <077f01c1a081\$d9a85e80\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nils,

I use standard transparency film ran through my LaserJet III. Make sure to put a piece of paper between the iron and the board. Three minutes on the wool setting works great. More than that melts the toner all over the place (it spreads). You can touch up the traces and pads with a Sharpie(tm) brand marker before etching. If it doesn't work at all... you can clean the board with acetone and try again. I also drill the holes before I etch the board then take the Sharpie again and touch things up a bit by twisting it in the holes. Works great.

73/72/71! de Brice KA8MAV

----- Original Message -----

From: <nilsbull@juno.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Friday, January 18, 2002 5:46 PM

Subject: Hiding the board-makin' evidence & other associated follies

> Gang,

>

> Ok, as long as Cindy doesn't find out I tried to use her hot-shot iron on
> this board making project, I'll be ok. For a couple minutes. Maybe.

>

> EI9QG's web site has a bit about using Epson photo quality paper for ink
> jet printers, which you run through your trusty 4P that (if you're like
> me) you got from Roger for \$50 (not countin' the nearly \$90 toner
> cartridge). What comes out of the printer gets taped to the board
> material & then ironed on with a hot iron, set to polyester or something
> like that.

>

> Well, I tried it & it almost worked. I got a lot of the black stuff
> transfered but not all of it & most of the plastic in the paper stuck to
> the board too.

>

> So now it's either I wait for the island cutter(s) to arrive or I get out
> the Dremel tool.

>

> See, part of this is my codgerly cussedness tryin' to avoid having to pay

> to get the boards made for one of my two big-time projects (the LPF board
> in the amp) and a couple of the boards from the 1974 W7BBX tiny-radio
> resurrection project. I'm trying to be inventive & use the local
> resources before I hustle up a couple hundred camels and make the trek
> over the Silk Road to get the spices that I need to cover up the taste of
> bad meat.
>
> Ok, that's a metaphor. But you get the idea.
>
> And with such luck on this, can you imagine what I'd get for spending my
> cash on a PnP kit? The iron would never be the same again. Or me, if
> Cindy finds out. And none of youse better tell her, see, or I'll have to
> get Sammy to whack youse, see?
>
> In the meantime, check out G3TSO's site (which I naturally don't have the
> URL for, bein' as how I just look up the callsign on Google & get there
> pretty quick). Some guys just have too much time, you know?
>
> Yeah, I know, like me. But that's another story. So while I try to find
> all the pieces of my Dremel tool, I'll listen to the new Gonzalo
> Rubalcaba CD I got today & leave youse alone, see?
>
> 73
>
> Nils
> -----
> Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
> Sonrientes
> W8IJN -- <http://www.geocities.com/nilsbull/w8ijn>
> "In MY day we FIGHT to have earphones! Every DAY was STRUGGLE!"
> -- Comrade Nikolai Sergeievich McTovarishov, 19
> Oct 1917
> -----
> GET INTERNET ACCESS FROM JUNO!
> Juno offers FREE or PREMIUM Internet access for less!
> Join Juno today! For your FREE software, visit:
> <http://dl.www.juno.com/get/web/>.
>

Date: Fri, 18 Jan 2002 19:49:07 -0500
From: "Rex Harper" <w1rex@megalink.net>
To: <nilsbull@juno.com>
Cc: <qrp-1@lehigh.edu>
Subject: [117838] Re: Hiding the board-makin' evidence
Message-ID: <000a01c1a083\$3577fb20\$843ca43f@stickfarmers>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
E'd:
(with mucho snippago)

> Ok, as long as Cindy doesn't find out I tried to use her hot-shot iron on
> this board making project, I'll be ok. For a couple minutes. Maybe.

> EI9QG's web site has a bit about using Epson photo quality paper for ink
> jet printers, which you run through your trusty 4P that (if you're like
> me) you got from Roger for \$50 (not countin' the nearly \$90 toner
> cartridge). What comes out of the printer gets taped to the board
> material & then ironed on with a hot iron, set to polyester or something
> like that.

> Well, I tried it & it almost worked. I got a lot of the black stuff
> transfered but not all of it & most of the plastic in the paper stuck to
> the board too.
> In the meantime, check out G3TS0's site (which I naturally don't have the
> URL for, bein' as how I just look up the callsign on Google & get there
> pretty quick). Some guys just have too much time, you know?
> Yeah, I know, like me. But that's another story. So while I try to find
> all the pieces of my Dremel tool, I'll listen to the new Gonzalo
> Rubalcaba CD I got today & leave youse alone, see?

Gang,

I too have tried irons and special paper (several types) and some novel
and not-yet to market schemes to make custom printed circuit boards. I am
not a TRUE PROFESSIONAL when it comes to making PCBs, although I own and use
a set of Kepro (PRO) developing and etching tanks and a 24x30 UV exposure
unit and I have made thousands of custom boards over the last 20 years. I
can say that when I need a board in a hurry and I don't want to go thru all
the steps, there is nothing like DATAK pre-sensitized POSITIVE resist
boards. I buy these gems from Jameco www.jameco.com : pn#156751 single side
3" x 4", pn#156742 double sided 3" x 4", and pn#156734 POSITIVE developer.

My procedure is as follows:

1. Layout the board in my PCB Cad package.....or.....you layout the board
in any decent graphics package

and scale the image.

2. Print on a Laser Printer using transparency film. For any really FINE

layouts, I take it to Kinkos and use their
2400dpi Laser Printer for the ultimate in resolution.

In a Darkroom using a safety lite.....OR.....in a dark room using a GE
bug lite

3. Peel of the safety coating on the pre-sensitized board
4. Lay the transparency on the board with the toner in contact with the
board
(if the circuit looks backwards its aok; otherwise,
flip the design during the print operation)
(if you are doing a top layer, then the opposite is
true, the circuit should look aok with the toner
still in contact
with the board)
5. Place in contact exposure unit.....or.....homebrew contact print
frame.
6. Expose for 15 seconds.....or.....expose for an emperically
determined time using photoflood bulb.
7. Develop in a glass tray using the associated positive developer until
circuit image is clear and sharp
(approx. 1 minute)
8. Etch the board in etching tank.....or.....etch the board in your
homebrew etching tray/bubbler/foamer/sprayer.

The total time, for me, from finished layout on the computer to etched board
in hand is about 5 minutes. Sometimes that even includes the drilled hole as
I keep 1 drill press always chucked with a .035 drill and set for the
fastest speed possible. Your mileage may vary depending mainly upon your
exposure rig and etching arrangement. A photoflood bulb in a nice reflector
set about 18" from the frame should have about the same exposure time.
Etching is the real key in obtaining a quality homebrew board. Your etchant
wants to be warm (110 to 120 degrees) and you want to mix plenty of air with
the etchant on the board surface. Air helps move the copper laded etchant
away from the circuit board for faster and cleaner etching. The LONGER the
etching time the MORE UNEVEN the board becomes. Anyway, I now use my iron
for making a little better than crappie homebrew teeshirts.

72 and happy homebrewing,

respectfully submitted,

W1REX Rex Harper "The Tinman"

THE USUAL DISCLAIMERS APPLY: I have no financial ties or obligations to
either Jameco, Datak, or GE Buglites. Just a satisfied user.

Date: Fri, 18 Jan 2002 20:35:23 -0500
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: nogaqrp@mailman.qth.net, qrp-l@lehigh.edu, gqrp@yahooogroups.com
Subject: [117839] Back From London
Message-ID: <5.0.2.1.2.20020118201114.021f8930@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Just got back from a week in London on business. Took my K1 with me, in my carry-on luggage, along with my normal wire antenna kit (20M Coax Antenna, 40M dipole worth of wire if needed) and Palm paddle. Also took my MP1 in checked baggage (although I can usually get by for a week on carry-on bags, not checking luggage raises eyebrows, these days).

Absolutely no problem with security either way. Both Delta check-in agents asked if there was anything in my checked bag that might be used as a weapon or look unusual, and I told them that there was an amateur radio antenna that might look a little funny (I don't dare say the "D" word or "B" word in an airport). No problem, either way. Did have to take off my shoes in Atlanta, and show the security agent my soles at Gatwick...

Wasn't in the ideal hotel room for amateur radio operations (inside corner of an L shaped building with the windows looking east), but set up the MP1 second night there (too much jet lag the first night to copy CW for this guy) at around 2100Z. Didn't hear any signals on 20M or 30M, so I dropped down to 40M and heard a few signals. Heard some of the junk folks complain about on 40 in Europe, but the K1 filters and noise blanker cleaned it up pretty nicely. Tried answering a T9A calling CQ with a really strong signal (as M/K04WX/P), and got about half through when the Palm paddle just stopped dead. Two of the wires had pulled out of the 3-pin connector. Not having a soldering iron on hand (but realizing that I could probably find one at the office in the morning), I figured out that I could wrap the wires around the pins--on the header side--very carefully and use the friction of the connector to hold the wires in place. Took me about 20 minutes to rig it up, and by golly it worked, but by that point I was tired and went to bed.

Tried again the next night, a little later, due to later hours at work. Tried answering several CQ's, including a LU1, but although there were lots of characters the same as mine and question marks in the right places, he was calling somebody else back. Never did work anybody, but heard some decent QSO's...(I started out in this hobby as an SWL'er anyway...).

The real treat for this trip was meeting Tony Fishpool, W4GIF (K4GIF when

he's over here), who came over after work to visit me at my hotel. We ran up to the rooftop bar and had a wonderful chat and show and tell. Elecraft may see some increased European sales...the K1 sure is a sweet rig, isn't it Tony? He's done some really neat stuff with test equipment, which I thoroughly enjoyed. Got to see his Peak component analyzer (Jim Stafford, W4QO, brought one back from Celticon a while back, but I never got to put my grubby hands on it...). Wow! Very cool. Left a copy of the NOGA Compendium 2001 for sharing with the GQRP folks (FWIW, QRP ARCI is handling International Sales).

Anyway, just wanted to let folks know that you can travel, and travel internationally with your ham gear (YRMV), and that it sure is cool that no matter where you go in this world, you've got friends. I dunno. Something about QRP'ers. Great bunch of folks who love their hobby and love anybody else that loves their hobby!

72 de Mike, K04WX
Michael C. Boatright

Date: Fri, 18 Jan 2002 21:01:29 -0500
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: nogaqrp@mailman.qth.net, qrp-l@lehigh.edu, gqrp@yahoogroups.com
Subject: [117840] Oh, one other REALLY cool thing that G4WIF showed me...
Message-ID: <5.0.2.1.2.20020118210006.021fa230@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

http://www.g4wif.fsnet.co.uk/q_tech11.htm

72 de Mike, K04WX
Michael C. Boatright

Date: Fri, 18 Jan 2002 21:17:34 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <k5xu@netdoor.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [117841] RE: Altoids Tin 2?
Message-ID: <GCECIJFJPOHMCKACOA0BGELGDFAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike -- K5XU:

I don't know of an Altoids-sized printed circuit board for the Tuna Tin, but they are easy to scratch-build and put in an Altoids. I used the NorCal schematic for my Altoids Tuna Tin. I've got a picture at:
<http://pweb.netcom.com/~jakecart/TT2.html> .

You're right -- it does make a convenient travel package. I put a scratch-built 2 watt Fireball 40-based amp in another Altoids and a Tick Keyer in a third -- nice compact packages. If I could build a superhet receiver and stick it in an Altoids, I'd be all set.

Good Luck,

Jake -- N4UY

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of K5XU, Mike Duke

Sent: Friday, January 18, 2002 7:29 PM

To: Low Power Amateur Radio Discussion

Subject: Altoids Tin 2?

Does anyone sell a board to put the tt2 into an altoids box? Would make for a more neat travel package.

I know about the Tiny Tornado, but don't think I'm really interested in the extra cost of a dc receiver.

Mike, K5XU

Date: Fri, 18 Jan 2002 22:18:34 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <jdorson@Worldshare.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [117842] Re: computer help

Message-ID: <006d01c1a097\$fbcff3e0\$0600a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

You know, I'm not sure about the QRP list you seem to have lost, but

if your worried about a few wasted moments... I'd venture to say that the original post and the replies wasted less time that some people complaining about it...

Mike

----- Original Message -----

From: "John Dorson" <jdorson@Worldshare.net>

> Does any one know of a list that deals with qrp topics like this list use

> to..

Date: Fri, 18 Jan 2002 22:18:49 -0500

From: David Hinerman <wd8civ@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [117843] Re: Hiding the board-makin' evidence & other associated follies

Message-ID: <3.0.6.32.20020118221849.0079f4b0@postoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 05:46 PM 1/18/02 -0500, you wrote:

>Well, I tried it & it almost worked. I got a lot of the black stuff

>transferred but not all of it & most of the plastic in the paper stuck to

>the board too.

Nils,

Maybe I can help:

<http://home.att.net/~wd8civ/pcbcheap.html>

Homemade toner transfer paper, a darned sight cheaper than specialty paper
It's a start, anyway.

BTW, did you mention you worked at Drake? Did you know a guy named Paul (or possibly Rick) Caldwell?

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Sat, 19 Jan 2002 21:48:16 -0600
From: "Mike Malone" <mmalone@worldlogon.com>
To: <jakecart@ix.netcom.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [117844] Re: Altoids Tin 2?
Message-ID: <001101c1a165\$4c4bf620\$dff6a7cc@malonefamily>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The CSS Rx the Iowa QRP club published is in an altoids tin and is a 40 meter superhet. It was also reprinted in April 2001 QQ

-----Original Message-----

From: John L. "Jake" Carter <jakecart@ix.netcom.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, January 18, 2002 8:22 PM
Subject: RE: Altoids Tin 2?

>Mike -- K5XU:

>

>I don't know of an Altoids-sized printed circuit board for the Tuna Tin, but

>they are easy to scratch-build and put in an Altoids. I used the NorCal
>schematic for my Altoids Tuna Tin. I've got a picture at:

><http://pweb.netcom.com/~jakecart/TT2.html> .

>

>You're right -- it does make a convenient travel package. I put a
>scratch-built 2 watt Fireball 40-based amp in another Altoids and a Tick
>Keyer in a third -- nice compact packages. If I could build a superhet
>receiver and stick it in an Altoids, I'd be all set.

>

>Good Luck,

>

>Jake -- N4UY

>

>-----Original Message-----

>From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
>K5XU, Mike Duke

>Sent: Friday, January 18, 2002 7:29 PM

>To: Low Power Amateur Radio Discussion

>Subject: Altoids Tin 2?
>
>
>Does anyone sell a board to put the tt2 into an altoids box? Would make for
>a more neat travel package.
>
>I know about the Tiny Tornado, but don't think I'm really interested in the
>extra cost of a dc receiver.
>
>Mike, K5XU
>

Date: Fri, 18 Jan 2002 23:03:28 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Jim Glover <psykey@okcforum.org>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [117845] Re: QRP in 40 Meter Novice Band
Message-ID: <3C48F010.D8D3DDDE@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim.

I have purposely avoided commenting on this thread so I don't know what you may have said. I have been a staunch supporter of VFO's for ALL rigs. I have designed one or two crystal rigs, but VFO's are the hallmark of all my radios!

A decent VFO is easy to built for 40 meters. Look at the CB Slider I did for NorCal. It is stable and works very well. In this day and age I think it is stupid to use crystal control. It does not give you any advantages. It is not that much simpler. It is not even much more stable! It only reduces your operating options!

73

Date: 18 Jan 2002 18:04:37 -0500
From: Caitlyn Martin <ku4qd@qsl.net>
To: qrp-l@lehigh.edu, VHF Reflector <vhf@w6yx.stanford.edu>,
6 Meter "Reflector (qth.net)" <50mhz@qth.net>

Subject: [117846] Lots of stuff for sale
Message-ID: <1011395080.2346.26.camel@localhost.localdomain>
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0

Hi, everyone,

Some unexpected and large expenses combined with a desire to do some different things do to lifestyle/work changes are prompting me to consolidate the shack a bit and make some changes there too.

Anyway, here is what I have:

Tokyo Hy-Power HT-750 with accessories:

I have an HT-750, 6, 15, and 40M SSB/CW handheld. 2W out on 6M, 3W out on HF. It comes with all three optional loading coils, the telescopic whip, leather case, and speaker/mic. in excellent condition. The original manual is included. I have two of these, and I am keeping one and selling one. A picture of this rig can be seen at:
<http://www.qsl.net/ku4qd/images/ht750.jpg>
\$425 firm, plus shipping.

Kantronics (Tokyo Hy-Power) KT-130:

This is the 30 meter version of the Series 100 monobanders. The rig is in good working and cosmetic condition, but output is about 17-18W (rated at 20W). The KT-130 can easily be turned down to 5W for QRP operation with an internal adjustment. The rig is stock, but the previous owner wired an effective audio CW filter to the noise blanker switch. With power cord and manual. A picture of this rig can be seen at:
<http://www.qsl.net/ku4qd/images/kt130.jpg>
Reduced to \$100 firm, plus shipping

Kantronics (Tokyo Hy-Power) KT-115:

This is the 15 meter version of the Series 100 monobanders. The rig is in decent cosmetic and good working condition, but output is down to 12W (rated at 20W). This can be reduced further for QRP work. The rig is stock, and comes with the power cord, a copy of the manual, the original mic., and the original box and packing. I'll post a picture of this one shortly. Reduced to \$100, firm, plus shipping.

Amp Supply (Tokyo Hy-Power) TR-110:

An earlier version of the same rigs as above, but this time for 10M.

The rig is in good cosmetic and working condition, 20W out, but it can easily be reduced for QRP work. The rig is stock, and comes with the power cord, a copy of the manual, the original mic., and the original box and packing. See this one at:

<http://www.qsl.net/ku4qd/images/tr110.jpg> \$90, firm, plus shipping.

Daiwa CN-410M wattmeter:

HF/6M/2M wattmeter, 150W and 15W scales. With original box, manual, mounting bracket, and power cord. Excellent condition. \$45 plus shipping or trade for VHF/UHF models.

JPS NIR-10 Digital Signal Processor, excellent condition, with original box, manual, and DC power cord. \$60 plus shipping.

Radio Shack HTX-252: 25W 2M FM rig, a simple one with 10 memories plus a CALL memory. Current model. I've had it for 7 months and have been really happy with it. A multiband rig is replacing it. With original box, manual, DC power cord, mic., and mounting bracket. \$90 plus shipping.

FDK Multi-11: An old, unusual 10W 2M FM crystal rig. 27 channels, including 4 you can scan through. With mounting bracket, wire bail, original box and packing, a Drake touchtone mic., and the original manual. A picture can be seen at:

<http://www.qsl.net/ku4qd/images/multi11.jpg> \$25 plus shipping.

Due to some previous bad experiences, all items must be paid by money order or cashier's check. (US Postal money orders are preferred.) Please feel free to e-mail me if you have any questions.

Thanks and 73,
Caity
KU4QD

Date: Fri, 18 Jan 2002 23:06:16 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Dave Fouchey <dafouchey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [117847] Re: Hamsticks
Message-ID: <3C48F0B8.EE325B2C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave,

Right. Perhaps you could have phrased the question a better way! In any event, they work well as dipoles. The configuration solves the single most difficult problem associated with them, a good ground! They will be down from a full sized antenna, but that is one compromise you might have to make for a small portable antenna!

73

Date: 18 Jan 2002 18:43:28 -0500
From: Caitlyn Martin <ku4qd@qsl.net>
To: qrp-l@lehigh.edu, VHF Reflector <vhf@w6yx.stanford.edu>,
50mhz@topica.com, 6 Meter "Reflector (qth.net)" <50mhz@qth.net>
Subject: [117848] HT-750 and TR-110 sold
Message-ID: <1011397412.2350.56.camel@localhost.localdomain>
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0

Hi, everyone,

The Tokyo Hy-Power HT-750 and Amp Supply TR-110 are sold. All other items are still available.

73,
Caity
KU4QD

Date: Fri, 18 Jan 2002 23:00:51 -0600
From: Mike <mmorrow@companet.net>
To: sdmarko@attglobal.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [117849] Re: QRP-L digest 2438

Message-ID: <3C48FD83.6C3F@companet.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Steve Markowitz wrote:

> Is there a formula to convert resistance to reactance, and, if so,
> what is it?

Steve,

Reactance (Q) and resistance (R) are NEVER equivalent, even though they both use "ohms" as a unit of measure.

An ideal reactance never has ANY resistance.

An ideal resistance never has ANY reactance.

You can NEVER convert reactance to resistance or resistance to reactance.

Reactances relate to the energy storage and release caused by the build-up, then collapse, of magnetic fields (for an inductive reactance) or electric fields (for capacitive reactance) during each cycle in a AC circuit. The voltage waveform and the current waveform are always exactly 90 degrees out of phase with each other in an ideal reactance. The direction of the 90 degree phase shift depends on if the reactance is a capacitor or an inductor. Regardless of direction of phase shift, during part of each AC cycle a reactance will store energy, then give up that energy later in the same AC cycle. Thus NO energy is consumed in an ideal reactance during each complete AC cycle.

Resistances relate to the real power consumption of a circuit. The voltage waveform and the current waveform are exactly in phase with each other in an ideal resistance. A resistor ALWAYS consumes energy at EVERY point in each AC cycle.

The impedance (Z) of a circuit (also measured in "ohms") is equal to the sum of the resistance and the reactance in quadrature (90 degree phase shift in the reactance):

$$Z = R + jQ$$

Q = positive or negative depending on if the reactance
is inductive ($Q = 2 \pi f L$) or capacitive ($Q = - 1/(2 \pi f C)$),
f = frequency of AC cycle.

j = square root of -1

= mathematical representation of a 90 degree phase shift
between the current and the voltage waveforms in the
reactive element.

The IMPEDANCE of an ideal capacitor or inductor is its reactance.
The IMPEDANCE of an ideal resistor is its resistance.

Sometimes people are interested in the magnitude of the IMPEDANCE of an
AC circuit, which can be computed simply by

Magnitude of IMPEDANCE = Square root of (R squared + Q squared)

Resistance and reactance are NEVER equivalent to each other, thus it is
meaningless to seek to convert resistance (an energy CONSUMPTION term)
with reactance (an energy STORAGE term).

73,
Mike / KK5F

Date: Sat, 19 Jan 2002 00:25:08 -0500
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: <mmorrow@companet.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [117850] Re: QRP-L digest 2438
Message-ID: <030801c1a0a9\$a980eb00\$2505b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Steve,

To REALLY simplify what Mike and others have said -- remember when you
learned about complex numbers in high school ? You utilized a graph with a
horizontal and a vertical axis, and came up with a result that required the
use of trigonometry to figure out.

RESISTANCE is the HORIZONTAL componet.
INDUCTIVE REACTANCE is indicated as a positive VERTICAL componet.
CAPACITVE REACTANCE is indicated as a negative VERTICAL componet.

Hope that helps a bit.

73,
Dick K2JQ
-----Original Message-----

From: Mike <mmorrow@companet.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, January 19, 2002 12:08 AM
Subject: Re: QRP-L digest 2438

>Steve Markowitz wrote:

>

>> Is there a formula to convert resistance to reactance, and, if so,
>> what is it?

>

>Steve,

>

>Reactance (Q) and resistance (R) are NEVER equivalent, even though they
>both use "ohms" as a unit of measure.

Date: Fri, 18 Jan 2002 23:35:13 -0600
From: Mike <mmorrow@companet.net>
To: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [117851] Re: QRP-L digest 2438 (reactance vs. resistance)
Message-ID: <3C490591.2E8@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Richard Brummer, K2JQ wrote:

> remember when you learned about complex numbers in high school?

Richard,

I wonder what percentage of high school students have even been exposed to "complex" numbers. It isn't a high percentage, I'm sure.

Even if one understands the mathematics of complex numbers and their application to reactive and resistive elements in an AC circuit, often that same person will NOT understand what is being represented in the actual PHYSICS of the circuit. Thus, you'll commonly see TOTAL nonsense statements like "reactance is the resistance of a capacitor or inductor at a certain frequency." Knowing the math and knowing the physical effect are often not coupled to each other! Resistance and reactance are NEVER equivalent in ANY way at ANY frequency.

Mike / KK5F

Date: Fri, 18 Jan 2002 23:41:38 -0600
From: "Jay Henson" <aj4ay@worldnet.att.net>
To: "Flying Pigs" <fpqrp-1@mpna.com>, "QRPL" <qrp-1@lehigh.edu>
Subject: [117852] Truffel Log - Final
Message-ID: <016201c1a0ab\$f7d88ae0\$5c72560c@jjp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All,

I received a couple of corrections for Thursday night's truffel hunt and have included them in my final log.

Thanks again for allowing me to have so much fun.

Jay
AJ4AY
Mobile, AL
FP -115, SOC 220, ARCI 8131, FISTS 7917

Hunt results are 26 truffels with 15 SPC's.

0130	N9NE	559	WI	TODD	5W
0131	N1TP	599	FL	TOM	5W
0132	W5YR	559	TX	GEORGE	5W
0133	K5DW	559	TX	DON	5W
0134	WV9N	559	OH	RANDY	5W
0135	W5USJ	559	TX	CHUCK	5W
0136	AC5JH	559	OK	TOM	5W
0137	K4GT	559	GA	JIM	5W
0138	W9HL	559	IL	RANDY	5W
0140	K4BYF	559	FL	JACK	5W
0141	AF4PS	579	FL	MAC	3W
0143	W0RW	599	CO	PAUL	5W
0144	N4TN	579	TN	DON	5W
0145	W5TB	559	TX	DOC	5W
0147	K8DD	569	MI	HANK	5W
0148	K8CV	559	MI	WALT	5W
0150	W8DIZ	559	OH	DIZ	5W
0152	K0EVZ	559	ND	DOC	3W
0153	WB6BWZ	599	GA	MATT	5W
0153	K7UP	559	NM	JOHN	5W

0154	W0CH	579	MO	DAVE	900mw	
0155	WE9K	559	WI	GLENN	5W	
0156	WR50	559	TX	DAVE	5W	
0157	N8IE	559	OH	DAN	5W	
0158	W4BQP	599	NC	JIM	5W	
0159	K8KFJ	559	WV	GARY	5W	
0200	AJ4AY		AL	JAY		5W

Date: Sat, 19 Jan 2002 01:25:22 -0500
 From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
 To: "Mike" <mmorrow@companet.net>
 Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 Subject: [117853] Re: QRP-L digest 2438 (reactance vs. resistance)
 Message-ID: <035d01c1a0b2\$13d60320\$2505b3d8@obvious>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

You might be right, Mike, but I was just trying to show him an application of something he might remember from his experience.

Having had two kids go through high school in the 90's, I can tell you that they still teach that complex number stuff. My daughter (KB2KIV) grasped it, my son (not a ham) did not.

Dick K2JQ
 -----Original Message-----
 From: Mike <mmorrow@companet.net>
 To: Richard Brummer, K2JQ <k2jq@bestweb.net>
 Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
 Date: Saturday, January 19, 2002 12:40 AM
 Subject: Re: QRP-L digest 2438 (reactance vs. resistance)

>I wonder what percentage of high school students have even been exposed
 >to "complex" numbers. It isn't a high percentage, I'm sure.

Date: Sat, 19 Jan 2002 01:27:32 -0500
 From: adamvaz@palm.net (Adam Vazquez)

To: myetsko@insydesw.com, qrp-1@Lehigh.EDU
Subject: [117854] Re: Limited space for mobile installation
Message-ID: <20020119062732.B9FE84526@mo120uhou.palm.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello from Adam Kb2Jpd

Many electrical connections to the trunk (boot) are run on the driver side of the Vehicle.

Inspect under the seats. Seat Heaters, sensors from seatbelt are run down under the factory carpet. Removal of the kickboard at the door and careful removal of the plastic holders holding down the carpet should reveal the exterior lighting circuits to the backlights.

Route all of your cables that way.

You did not state if you had foldover 60-40 backseat or fixed.
Inspection of the seat will show you the way. Follow those wires.

!FYI!

Most Engine computers are on the passenger side or inside the middle console. Keep away for minimum RFI.

These are generic but work in most auto installs. With planning you can do a satisfactory installation.

73 Adam

Date: Sat, 19 Jan 2002 09:12:20 -0500
From: W2AGN <w2agn@pobox.com>
To: fpqrp-1@mpna.com
Cc: qrp-1@lehigh.edu
Subject: [117855] QRP DXCC
Message-ID: <0201190912200J.02177@CC2289974-A>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Well, my QRP DXCC certificate just arrived. Naturally, I showed it to the XYL. Her comment?

"That guy needs a shampoo..."

Guess this is one that doesn't go on the wall...

--

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>
Trustee: W3IYQ

Date: Sat, 19 Jan 2002 07:58:02 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: Chris Trask <ctrask@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [117856] Re: Upconversion, Wide Roofing Filters, and Good Dynamic Range
Message-ID: <B86ED789.10987%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Chris - How wide is the 70 MHz SAW filter you use for your receivers? -
Duffey

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: 19 Jan 2002 05:28:20 -0500
From: Caitlyn Martin <ku4qd@qsl.net>
To: qrp-l@lehigh.edu, VHF Reflector <vhf@w6yx.stanford.edu>,
"Franklin Co. ARC" <hams@fcarc.net>
Subject: [117857] Kantronics KT-130 now spoken for
Message-ID: <1011436104.2333.12.camel@localhost.localdomain>
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0

Hi, everyone,

The Kantronics KT-130 is sold. In case you missed my previous post, the HT-750 and TR-110 are also sold. The KT-115, HTX-252, Multi-11, the wattmeter, and the DSP are all still available.

73,
Caity
KU4QD

Date: Sat, 19 Jan 2002 10:38:22 -0500
From: Dave Fouchey <dafouchey@home.com>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [117858] Re: Hamsticks
Message-ID: <4.1.20020119103722.009a5340@localhost>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

True I probably could have phrased it better. thanks to all for their comments both on and off list. Lot's to think about including the possibility of a mini packable beam...

73's
Dave
WA4EMR/8
Sterling Heights, MI

At 11:06 PM 1/18/2002 -0500, Bruce Muscolino wrote:

>
>
>Dave,
>
>Right. Perhaps you could have phrased the question a better way! In
>any event, they work well as dipoles. The configuration solves the
>single most difficult problem associated with them, a good ground! They
>will be down from a full sized antenna, but that is one compromise you
>might have to make for a small portable antenna!
>
>73

Date: Sat, 19 Jan 2002 10:50:19 -0500
From: Bruce Muscolino <w6toy@erols.com>

To: Dave Fouchey <dafouchey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [117859] Re: Hamsticks
Message-ID: <3C4995BB.70722FC3@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave,

>

> comments both on and off list. Lot's to think about including the
> possibility of a mini packable beam...

>

Actually this is one of the best applications for Hamstick type antennas I have seen. If you do a literature search of QST, for example, you will find several articles on the topic written when the authors had to wind their own! Doug DeMaw wrote one, as I remember. Also look in 73 magazine during the 70's for some ideas.

73

Date: Sat, 19 Jan 2002 09:24:44 -0700
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [117860] MS-30 or MS-15 RIT Circuit question
Message-ID: <3C499DCC.32611175@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings,

I don't wish to bug Steve while he is working hard on his dual band DDS rig, so I thought I'd ask and see if anyone else has implemented his two chip RIT circuit in either his MS-XX rig or any other rig. I am interested in sharing experiences with anyone who has built one. I threw one together on perfboard for my MS-15.

Reply offline and then we can combine results for anyone else who is interested.

tnx es 72 - john - n0hj

Date: Sat, 19 Jan 2002 11:53:03 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [117861] Different colored magnet wire
Message-ID: <008501c1a109\$c36f1860\$6501a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anybody have a source for reasonable quantities of magnet wire in different colors? I'd love to find three different colors of #28 or thereabouts wire for making those infernal trifilar toroids. The empirical data indicates that when I use the green colored #26 for all three wires, the probability of making a connection mistake approaches one!

This might be a good project for NorCal or the NJQRP club to facillitate building.

73 de Lee
km4yy

Date: 19 Jan 2002 06:56:25 -0500
From: Caitlyn Martin <ku4qd@qsl.net>
To: qrp-l@lehigh.edu, VHF Reflector <vhf@w6yx.stanford.edu>
Subject: [117862] FDK Multi-11 is sold
Message-ID: <1011441393.2331.21.camel@localhost.localdomain>
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0

Hi, everyone,

The FDK Multi-11 is sold. Only the wattmeter, DSP, KT-115 15M monoband rig, and the HTX-252 2m FM mobile remain.

73,
Caity
KU4QD

Date: Sat, 19 Jan 2002 12:05:25 -0500
From: "Lee Mairs" <lairs@cox.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [117863] Re: Different colored magnet wire
Message-ID: <008b01c1a10b\$7dd35a80\$6501a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've answered my own question. Dan's Small Parts offers 3 - 10 foot lengths of #28 magnet wire in different colors for only \$1.35 - exactly what I wanted.

<http://www.fix.net/dans.html>

Now I've got to figure out what else to get to fill up my cart for the shipping charge!

73 de Lee

km4yy

Sometimes the giant hamster of misfortune doesn't seem to want to run on anybody's wheel but yours.

--George Olson

Date: Sat, 19 Jan 2002 12:01:33 -0500
From: Dave Fouchey <dafouchey@home.com>
To: lairs@cox.rr.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [117864] Re: Different colored magnet wire
Message-ID: <4.1.20020119120032.0099cad0@localhost>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Never done any business with these folks but it looks like they have what you want.

http://www.parawire.com/magnet_wire.html

Dave
WA4EMR/8

At 11:53 AM 1/19/2002 -0500, Lee Mairs wrote:

>Does anybody have a source for reasonable quantities of magnet wire in
>different colors? I'd love to find three different colors of #28 or
>thereabouts wire for making those infernal trifilar toroids. The empirical
>data indicates that when I use the green colored #26 for all three wires,
>the probability of making a connection mistake approaches one!

>

>This might be a good project for NorCal or the NJQRP club to facillitate
>building.

>

>73 de Lee

>km4yy

Date: Sat, 19 Jan 2002 11:03:32 -0700

From: "Steve/n0tu" <n0tu@codenet.net>

To: "QRP-L" <QRP-L@lehigh.edu>

Subject: [117865] FOX hunt #25 N0TU's raw log

Message-ID: <000701c1a113\$bb32be40\$6a211d82@cos.agilent.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Hi Gang,

FUN run! 107 pelts if I remove the QRO contact.

Please review and send comments,

FOX: N0TU

Rig: k2 @5w

Ant: CFZ at 25'

0200 1/18/02

GMT CALL RST STATE NAME PWR

0202 NQ7X 559 AZ FLOYD 5W

0203 W5TB 559 TX DOC 5W

0204 N1FN 559 CO ET 5W

0205 WE9K 559 WI GLENN 5W

0206 K5ZTY 559 TX? BILL 5W

0207 AA7XA 559 OR FRANK 5W

0208 K0EVZ 559 ND DOC 5W

0209 K5OI 559 OK TIM 5W

0210 K4GT 559 GA JIM 5W

0211 KI0II 559 CO RON 5W
0212 K9IS 559 WI STEVE 3W
0213 N9AW 559 WI JERRY 5W
0214 N4ROA 559 VA? DAN 5W
0215 W5USJ 559 TX CHUCK 5W
0216 VE5RC 559 SKW BRUCE 5W
0217 VE6EX 559 ALB DAN 5W
0218 W8VJW 559 MI JOHN 5W
0219 NK6A 559 CA ? 5W
0220 N0AR 559 MN SCOTT 5W
0221 KR5C 559 TX GEORGE 5W
0222 K0FRP 579 CO AL 5W
0223 W7ILW 559 AZ WALT 5W
0224 K3PH 559 PA BOB 5W
0225 N2WW 559 CO LARRY 5W
0226 K4ADI 559 SC FRANK 5W
0227 KB9LGJ 559 CA TIM 5W
0228 KB7WW 559 OR ART 5W
0229 WA9TZE 599 WI JIM 5W
0230 N4MAP 559 GA SAM 5W
0231 WV9N 559 OH RANDY 5W
0232 N6WG 599 CA BOB 5W
0233 W3CD 559 CA BOB 5W
0234 W5YR 559 TX GEORGE 5W
0235 AD6JV 559 CA BILL 5W
0236 K6BNX 579 CA ARLEN 5W
0237 W0CH 559 MO DAVE 900MW
0238 N3BJ 559 VA ALAN 5W
0239 KC0ATC 559 CO CHRIS 3W
0240 W9XU 559 WI LON 5W
0242 NK9G 559 WI RICK 5W
>0243 KA9CAR 559 ? JOHN 100W<<<
0244 N5IW 559 TX DAVE 5W
0246 WB9LUR 599 CO PAUL 5W
0247 AA50 559 LA VERN 5W
0248 KG6CYN 579 CA TREV 5W
0250 N0RC 559 CO ROD 5W
0251 KJ0C 599 MO JIM 5W
0252 NQ7K 599 AZ MIKE 5W
0253 VA6RF 559 ALB EARL 5W
0254 K8CV 559 MI WALT 5W
0255 K9IUA 559 IA KEVIN 5W
0256 N3ZPQ 559 OH FRANK 4W
0257 N0UR 579 MN JIM 5W
0258 K4TJD 559 GA TOM 5W
0259 KQ5U 559 TX TERRY 5W
0300 K0PC 559 MN PAT 5W
0301 KK5LD 559 TX DAN 5W

0302 KE6RS 559 CA RON 5W
0304 K5EOA 559 LA WAYNE 5W
0305 W0IS 599 MN RICK 5W
0306 WE6W 559 CA ED 4W
0307 K5DI 559 NM KARL 5W
0308 K7TQ 559 ID RANDY 5W
0309 WB6BWZ 559 GA MATT 5W
0310 N1TP 559 FL TOM 5W
0311 KC1FB 559 CT JIM 5W
0314 K3IU 579 RI KEN 5W
0315 K5DW 559 TX DON 5W
0316 K8MIA 559 WV JIM 5W
0317 VE3FAL 559 ONT FRED 5W
0318 W0RSP 569 SD ADE 4W
0319 W9HL 559 IL RANDY 5W
0320 K4FB 559 FL PAUL 5W
0321 N9IJ 579 IL LEN 5W
0322 NV8S 559 OH DENNIS 5W
0324 N9NE 569 WI TODD 100MW
0325 WR50 559 TX DAVE 5W
0326 W9JOP/4 559 VA BOB 220MW
0327 K8DD 559 MI ? 5W
0328 K9DC 559 IN DAVE 5W
0329 KD5KXF 559 TX MIKE 5W
0330 AF4LQ 559 KY MIKE 5W
0331 WA8BXN 559 OH MIKE 5W
0332 W8NDG 579 MI BOB 5W
0333 NX8C 559 MI NEIL 5W
0334 AB5XQ 559 AK? BILL 5W
0335 NM5M 579 TX ERIC 5W
0336 VE4WI 559 MAN CRAIG 5W
0337 K4BYF 559 FL JACK 5W
0338 KB9YIG 559 IN TONY 5W
0339 KK5NA 559 TX JOE 5W
0340 AF4PS 559 FL MAC 3W
0341 N0HRL 559 MN KEN 5W
0342 WA8ZBT 559 TX DENNIS 5W
0343 NV4V 559 KY PETE 5W
0344 VE6KG 559 ALB NORM 5W
0345 KL7IXI 559 WA MIKE 4W
0346 K8KFJ 559 ?? ? 5W
0348 AG0T 559 ND TODD 4W
0349 AD2A 559 NJ DAVE 5W
0350 K5BGD 559 ? ? 5W
0351 W4ZNJ 559 CA ? 5W
0352 K5JHP 559 TX BILL 5W
0355 KB3EOF 559 MD SANDY 5W
0357 W0JOE 559 MO JOE 5W

0358 AB0CD 559 CO DICK 5W
0359 N8VAR 559 OH RON 5W
0400 N0TU 559 CO STEVE 5W

Date: Sat, 19 Jan 2002 18:09:04 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: lmairs@cox.rr.com, qrp-1@Lehigh.EDU
Subject: [117866] Re: Different colored magnet wire
Message-ID: <F53GJXaM0wzERjUQwBU0000ce95@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Lee Mairs" <lmairs@cox.rr.com>
>Reply-To: lmairs@cox.rr.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Different colored magnet wire
>Date: Sat, 19 Jan 2002 11:53:03 -0500
>

>Does anybody have a source for reasonable quantities of magnet wire in
>different colors? I'd love to find three different colors of #28 or
>thereabouts wire for making those infernal trifilar toroids. The empirical
>data indicates that when I use the green colored #26 for all three wires,
>the probability of making a connection mistake approaches one!

I don't have any problems with identifying the connections. I tin the ends
of all six wires. I then check for continuity, identify one winding (the
primary) and bend its wires out of the way. That just leaves the two
connected windings to sort out in the same manner.

You could spray the wire with spray paint to colour it, or put little dabs
of paint on both ends, if you really need to identify the wires visually.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

MSN Photos is the easiest way to share and print your photos:

<http://photos.msn.com/support/worldwide.aspx>

Date: Sat, 19 Jan 2002 13:11:48 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <lmairs@cox.rr.com>
Subject: [117867] Re: Different colored magnet wire
Message-ID: <002d01c1a115\$11e833e0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Lee Mairs" <lmairs@cox.rr.com>
Subject: Re: Different colored magnet wire

> Now I've got to figure out what else to get to fill
> up my cart for the shipping charge!

Is that ever a problem at Dan's? Once I get over the inertia of the snail mail, I have a hard time keeping the order down!

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sat, 19 Jan 2002 13:16:58 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [117868] Re: Different colored magnet wire
Message-ID: <003301c1a115\$7df248a0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Leon Heller" <leon_heller@hotmail.com>
Subject: Re: Different colored magnet wire

> You could spray the wire with spray paint to colour it,
> or put little dabs of paint on both ends

I have a few bottles of different color nail polish in the shack. Having the brush in the cap seemed like just the thing for this. It didn't work out so well, though. The color is hard to see in a little dot, the stuff really isn't all that opaque. And the amount of smoke a drop of nail polish can make when you solder it is astonishing.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sat, 19 Jan 2002 12:38:39 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: mmorrow@companet.net
Cc: qrp-l@lehigh.edu
Subject: [117869] Re: QRP-L digest 2438 (reactance vs. resistance)
Message-ID: <3.0.6.32.20020119123839.0079c300@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Thus, you'll commonly see TOTAL nonsense
>statements like "reactance is the resistance of a capacitor or inductor
>at a certain frequency."

No, not total nonsense.

In an AC circuit, capacitors and inductors have an *apparent* resistance called reactance. For a circuit comprised of ONLY C's or L's, reactance is used in the same way as resistance is used in Ohms Law for calculating voltage drop and current flow. So in this case, for all practical purposes, reactance is the resistance of a capacitor or inductor at a certain frequency. If this were not the case, reactance would not be expressed in the terms ohms, but something else.

Now if we add in some pure resistance to the circuit and/or start to combine C's and L's, we start to talk about impedances, where the phase of the current is important and we need to use complex numbers and vector diagrams, instead of simple Ohms Law. A whole other issue.

72,
Steve, KD1JV
"Melt Solder"

White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sat, 19 Jan 2002 13:37:36 -0500
From: "Larry Przyborowski" <k3peg@yahoo.com>
To: <leon_heller@hotmail.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [117870] Re: Different colored magnet wire
Message-ID: <009001c1a118\$5df66380\$6501a8c0@longh101.md.comcast.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Leon,
I color wire ends for about 1/2 inch using enamel model paints and a
toothpick.
Use standard color codes for numbering the windings per the schematic.

This aids in troubleshooting later too, if necessary.

It's snowing in Maryland,

73, Larry
----- Original Message -----
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, January 19, 2002 1:16 PM
Subject: Re: Different colored magnet wire

> ----- Original Message -----
> From: "Leon Heller" <leon_heller@hotmail.com>
> Subject: Re: Different colored magnet wire
>
>
> > You could spray the wire with spray paint to colour it,
> > or put little dabs of paint on both ends
>
> I have a few bottles of different color nail polish in the shack. Having
> the brush in the cap seemed like just the thing for this. It didn't work
> out so well, though. The color is hard to see in a little dot, the stuff
> really isn't all that opaque. And the amount of smoke a drop of nail
polish
> can make when you solder it is astonishing.
>

> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> didileydadidah QRP-L #1446 Code Warriors #35
>
>

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sat, 19 Jan 2002 13:43:35 -0500
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [117871] magnet wire
Message-ID: <003901c1a119\$33d78060\$2e211c18@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Then there is the comment I remember so well from
the "Master" Doug DeMaw, who said he used colored spray paint and painted
10 or 20 feet of wire and always had enough when he needed it!!!!
carl / kz5ca different colors, of course!!! have fun!

Date: Sat, 19 Jan 2002 14:06:04 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <fpqrp-l@mpna.com>, <qrp-l@Lehigh.EDU>
Subject: [117872] County Hunters
Message-ID: <00e501c1a11c\$57ec6170\$21dd1b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I found these county maps my accident. Just change the
state in the URL to get the counties in any state.

http://quickfacts.census.gov/qfd/maps/ohio_map.html

http://quickfacts.census.gov/qfd/maps/texas_map.html

http://quickfacts.census.gov/qfd/maps/wyoming_map.html

-Diz, W8DIZ

Date: Sat, 19 Jan 2002 13:11:02 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'jamesd1@flash.net'" <jamesd1@flash.net>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [117873] RE: Upconversion, Wide Roofing Filters, and Good Dynamic Range
Message-ID: <01C1A0EA.BF3B23C0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Doc, what the heck is a roofing filter anyway? Is the filter that's at the output of the IF? Does the term only apply in designs where there's up conversion and more than one IF?

I think I first heard the term in Rhode's series on high performance receivers in QST in the late 80's (I think). Not much of it sunk in; guess I ought to go back and read 'em again.

72--Nick, WA5BDU

-----Original Message-----

From: James R. Duffey [SMTP:jamesd1@flash.net]
There is no intrinsic reason why the roofing filter on an upconversion receiver has to be so wide. Narrow filters can be built at the high IF frequencies used for upconversion IFs.

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sat, 19 Jan 2002 13:29:40 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@LeHigh.EDU>
Subject: [117874] PSK-31 qrp question

Message-ID: <Pine.LNX.4.33.0201191320360.19311-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I need someone who knows PSK-31 Digipan please...I have it set up basically and am making a few qrp contacts at 5 watts in the contest... but I have a question about Markers...I go to VIEW and then SET MARKERS where one can set a number of markers 1 through 5(?)...I really don't understand what's going on here...I have printed out the HELP info... but still need further help...duh...I've found that markers don't appear unless one chooses SOUND instead of USB or LSB...(I've set my lowest frequency under CONFIGURE at 1406500 when I use USB for 20 mtrs)...I guess my basic question is exactly what am I looking at here when I've selected SOUND and SET MARKERS for 500hz, 700hz, 900hz, in which case 3 vertical red lines appear in the display...I suppose these 3 markers are 500hz, 700hz & 900hz up from 1406500?...what do I use these markers for?...thank you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: 19 Jan 2002 09:51:59 -0500
From: Caitlyn Martin <ku4qd@qsl.net>
To: qrp-l@lehigh.edu, VHF Reflector <vhf@w6yx.stanford.edu>,
"Franklin Co. ARC" <hams@fcarc.net>
Subject: [117875] More items FS, Items sold
Message-ID: <1011451925.3139.6.camel@localhost.localdomain>
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0

Hi yet again,

Thank you for tolerating my posts and helping me pay for some huge vet bills :) There also may be an FT-817 in this for me for my upcoming travels if I sell enough stuff.

The HTX-252 from the previous listing is now also sold. Here's what's left, plus a few additional items:

Kantronics (Tokyo Hy-Power) KT-115:

15 meter monoband SSB/CW transceiver. The rig is in decent cosmetic and good working condition, but output is down to 12W (rated at 20W). This can be reduced further for QRP work. The rig is stock, and comes with the power cord, a copy of the manual, the original mic., and the original box and packing. I've posted a picture of this rig at: <http://www.qsl.net/ku4qd/images/kt115.jpg> Reduced to \$100 plus shipping.

Jim T-One:

The T-One is a 10M FM and AM rig circa 1998. It was never imported into the US. The rig covers 28.7-29.7 and puts out 7W on high power or half a watt on low power. It's a very small mobile rig, or you can snap a battery pack on the back, use a supplied telescopic antenna, and take it portable as well. The original mic., power cord, and mounting bracket are included. No manual, sorry. A picture (setup as a mobile) can be seen at: <http://www.qsl.net/ku4qd/images/T-One.jpg> \$75 plus shipping.

Belcom Kappa-15

The Kappa-15 is a rare 15 meter USB only QRP rig, rated 10 watts out PEP. It was sold in Japan from 1971 to 1973. It's analog, and it's VXO controlled. It is channelized, going in 10KHz steps from 21.230 to 21.440MHz, with a VXO providing "fine tuning" of plus or minus 5KHz, effectively covering the entire SSB portion of the 15 meter band. The rig works perfectly, is in excellent shape, and comes with the original mic. (No manual, sorry.) The rig is more of a conversation piece than a practical 15M rig, though I have gotten good reports using it. Pictures can be seen at <http://www.qsl.net/ku4qd/images/kappa15-2.jpg> and <http://www.qsl.net/ku4qd/images/kappa15.jpg>. Price reduced to \$100 plus shipping.

Daiwa CN-410M wattmeter:

HF/6M/2M wattmeter, 150W and 15W scales. With original box, manual, mounting bracket, and power cord. Excellent condition. \$45 plus shipping or trade for VHF/UHF models.

JPS NIR-10 Digital Signal Processor, excellent condition, with original box, manual, and DC power cord. \$60 plus shipping.

National RJX-601:

Here is another oddity: a National RJX-601 six meter AM/FM "portable" transceiver, which puts out a whopping 3 watts on high power or 1 watt on low power. This is National as in Panasonic, as in the Japanese manufacturer Matsushita. This rig has a pull up telescopic whip and can

run on C-cell batteries, but it's as big and heavy. It has no allowance for split, so it's only useful for monitoring 52.525 and for AM. Best for a collector or an AM 6M enthusiast. A picture is at:
<http://www.qsl.net/ku4qd/rjx601.jpg> \$75 plus shipping.

Toshiba Satellite Pro 430CDT laptop computer:

I had and sold a bunch of these recently. This was supposed to be the one I was keeping for myself, but now I've decided I can't. Pentium 120, 48MB RAM, 6GB hard drive, CD-ROM, external floppy, TFT active matrix display, Soundblaster compatible sound card. The unit is in good cosmetic condition and works perfectly. It's loaded with Red Hat Linux 7.1 including all the latest patches and updates. Lots of ham radio software installed. \$200 plus shipping.

Thanks and 73,
Caity
KU4QD

Date: Sat, 19 Jan 2002 12:38:03 -0800
From: "blinn" <blinn@smgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [117876] Battery holder hazard
Message-ID: <000801c1a129\$32b2e340\$af69f040@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I selected to use Triple A batteries (AAA) and a Radio Shack battery holder for a recent project. Having intermittent problems with power, I started fiddling with the battery holder thinking there was a problem with the connections between the springs and the wires leading from them. I soon discovered that instead of an open connections that the spring was shorting the battery by digging into the plastic covering that wraps around the negative end of the battery, covering up the positive edge of the case.

Check here for pictures: <http://www.qsl.net/wa7tqk/batholder.gif>

I'm still using the holder but have bent the spring ends into a smaller circle to better fit the small end of a AAA battery.

Bill - WA7TQK

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Date: Sat, 19 Jan 2002 21:07:59 +0000
From: euramcom pages <mel@euramcom.freeseve.co.uk>
To: <qrp-1@lehigh.edu>
Cc: <gqrp@yahooogroups.com>
Subject: [117877] laughter is the best medicine
Message-ID: <T588cfcc64aac1785c3252@pcow058m.blueyonder.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi Gangue,

Totally OT

<http://www.essbasetools.com/inctest.html>

I passed? Failed? depends which way you take it!

72 and 73 de Mel

GM6JAG
Edinburgh, Scotland UK
Home of the last HW9

Date: Sat, 19 Jan 2002 16:19:15 -0500
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [117878] hf oscillators
Message-ID: <008101c1a12e\$f339bee0\$2e211c18@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have an hf rig, (no name). the vfo is a typical unit, 2n2222a about 6 mhz.
the book says there should be 10v ac(rf) on the base& 4v(rf) on the
emitter...

Is this a normal amount ?? I have the indicated dc on the cbe>> IE: 8vdc on the collector, , 4v on the emitter, and 4v(mol) on the base. However, I only have about 1.5v p-p on the base.. I have changed the transistor twice and no difference!! Is there a problem here or am I imagining things?? the transmit system is way down on power and I haven't found the answer. the output v (rf) from the buffer is low, about 50% of what it is shown on the schematic.. I am still fishing for an answer!! Can anyone help??

carl / kz5ca

Date: Sat, 19 Jan 2002 22:13:01 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: nkennedy@tcainternet.com, qrp-1@Lehigh.EDU
Subject: [117879] RE: Upconversion, Wide Roofing Filters, and Good Dynamic Range
Message-ID: <F712TvFzXX4SKJ0Xgix00001f1f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Nick Kennedy <nkennedy@tcainternet.com>
>Reply-To: nkennedy@tcainternet.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: Upconversion, Wide Roofing Filters, and Good Dynamic Range
>Date: Sat, 19 Jan 2002 13:11:02 -0600
>
>Doc, what the heck is a roofing filter anyway? Is the filter that's at the
>output of the IF? Does the term only apply in designs where there's up
>conversion and more than one IF?

Yes, that's it. The term is usually used in connection with up-conversion receivers and the filters are generally in the VHF range, for an HF radio. There could be just the one IF, with conversion directly down to baseband.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Sat, 19 Jan 2002 17:14:35 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [117880] UPDATE: SMT practice kit
Message-ID: <3.0.6.32.20020119171435.0079c530@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Got the last few parts in today (priority mail) to finish the practice kits, so I built one up. Works FB, though with out dot or dash memory, does take a little getting used to at low speeds where you apt to over key.

I up loaded a picture of the keyer onto my website, for those who would take a look at it or find out more about it. We do still have a few left..

I'll start kitting tonight and hope to start getting them in the mail early next week.

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sat, 19 Jan 2002 22:19:12 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: wb8rcr@arrl.net, qrp-l@Lehigh.EDU
Subject: [117881] Re: Different colored magnet wire
Message-ID: <F26dGdlUUx6EfkU9X3m00000cccd@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "John J. McDonough" <wb8rcr@arrl.net>
>Reply-To: wb8rcr@arrl.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Re: Different colored magnet wire
>Date: Sat, 19 Jan 2002 13:16:58 -0500
>

And the amount of smoke a drop of nail polish

>can make when you solder it is astonishing.

I suppose they still use cellulose nitrate in nail polish. It was used in explosives at one time, and for making photographic film. You could make very effective smoke bombs from the old film stock, before they changed to safety film.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Sat, 19 Jan 2002 17:44:36 EST

From: SMurph555@aol.com

To: qrp-1@lehigh.edu

Subject: [117882] Thanks For Help Re Yahoo QRP Groups

Message-ID: <189.20d8e2a.297b50d4@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Hi all,

Just wanted to say thanks to the folks who provided the information on how to access the Yahoo QRP-related mail reflectors!

72/73

Cal K4JSI

caljsi@aol.com

Date: Sat, 19 Jan 2002 17:32:06 -0600

From: <jfox6@houston.rr.com>

To: "QRP" <qrp-1@lehigh.edu>

Subject: [117883] Something New?

Message-ID: <000e01c1a141\$82439d60\$9902a8c0@houston.rr.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

This PM, I decided to start on a project I have wanted to build for a long time. Should I go for the Printed Circuit board bit (roll your own?) or Manhattan. Well I decided on Manhattan. The big barrier was the 20 pin IC I wanted to use. On the work bench was the remains of one of the Rad Shacks little 2.5X about 3.5 inch boards.

It had been used for something else, and all of the parts had been removed. Suddenly I realized that I could take a hack saw and carefully cut out a length of pre-fab IC holes,(about 20 pins worth). I glued the cutout to a piece of PC board, cut a small couple of other pieces for come parts connection, and there it was, a great Manhattan project.

I had sent this e-mail before, but it never showed up on the reflector. I had attached a pix of the subject, but guess that is a no-no.

73,
Foxy

jfox6@houston.rr.com
<http://www.qsl.net/w5hir>

Date: Sat, 19 Jan 2002 16:53:25 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: "nkennedy@tcainet.net" <nkennedy@tcainet.net>
Cc: qrp-l <qrp-l@lehigh.edu>
Subject: [117884] Re: Upconversion, Wide Roofing Filters, and Good Dynamic Range
Message-ID: <B86F5504.109B2%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Nick - Thanks for the good question:

"what the heck is a roofing filter anyway? Is the filter that's at the output of the IF?"

I am not sure of the origin of the term "roofing filter", but I understand it to mean the filter at the output of the first IF in a multiple conversion receiver. That filter determines the widest bandwidth the receiver can be used at. I think I first heard the term used in reference to the R-4C by Sherwood. It had an 8 kHz first IF filter to accomodate AM. Sherwood and others got much improved CW performance by replacing this filter with a narrower one.

I have also seen the term used to mean any wide filter, such as that used at the output of the IF amplifier to reduce the wideband noise often present in high gain IF amplifiers.

I don't think it is an exact engineering term :^) In the discussion I was having with Bill, I believe he meant the wide filter at the first, upconversion, IF, usually 45 MHz or higher.

I hope that this doesn't further confuse the matter. - Dr. Megacycle KK6MC

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

End of QRP-L Digest 2440
